



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/774,650	02/01/2001	Kenji Fukaya	P 276746 U3-0041-TS

Pillsbury Madison & Sutro LLP  
Intellectual Property Group  
Ninth Floor, East Tower  
1100 New York Avenue, N.W.  
Washington, DC 20005-3918



CONFIRMATION NO. 8329

## FORMALITIES LETTER



\*OC000000006002649\*

Date Mailed: 04/24/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

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*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

05/14/2001 EEKUBAY1 00000096 033975 09774650

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Confirmation No.: 8329

FUKAYA et al.

Group Art Unit: 2855

Appln. No.: 09/774,650

Examiner: UNASSIGNED

Filed: February 1, 2001

Title: GAS SENSOR

\* \* \* \* \*

May 11, 2001

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

Responsive to the Notice to File Missing Parts mailed April 24, 2001, Applicants enclose herewith a copy of the Declaration which was filed with the application on February 1, 2001, along with a copy of Applicants' Request for Filing National Patent Application transmittal cover sheet indicating that the original Declaration was included with the filing and a copy of the PTO postcard acknowledging receipt of that Declaration. Accordingly, Applicants respectfully submit that the Notice to File Missing Parts was sent in error, and therefore, the surcharge required under 37 C.F.R. § 1.16(e) is not enclosed. (If

Applicants are incorrect in this assertion, the Office hereby is authorized to charge Deposit Account No. 03-3975, making reference to Attorney Docket No. 060388/0276746.)

Respectfully submitted,

PILLSBURY WINTHROP LLP

By

  
Kenneth M. Fagin

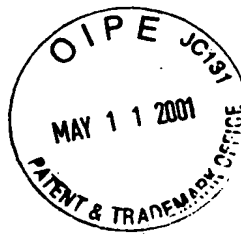
Reg. No.: 37615

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1100 New York Avenue, N.W.  
Ninth Floor  
Washington, D.C. 20005-3918  
(202) 861-3000



PAT-103 11/00 PTO RECEIPT FOR INDICATED ITEMS

Atty GJP

Appln. No: 0 /

Date 2/1/01

Inventor(s) FUKAYA et al.

C# 60388

Title: GAS SENSOR

M# 276746

ENCLOSED:

☐ Amendment

# 1 No. of Pages Abstract

# 20 No. of Pages Spec and Claims

# 5 No. of numbered Claims only

☒ Declaration (1 #pgs)

☒ Assignment ☒ Cover Sheet

# No. of Priority Documents

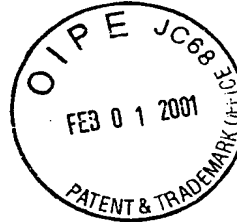
# 10 No. Sheets Drawings (Fig(s) 1 to 15) ☒ 1 set Formal

☐ IDS Letter ☐ cited Appl(s) ☐ Foreign sch rept./OA

☒ PTO-1449 ☒ cited docs.

\$ 910.00 Fee (Check)

Other:



COPY

CURRENT DUE DATE: February 1, 2001

PAT-103 11/00 PTO RECEIPT FOR INDICATED ITEMS

Atty GJP

Appln. No: 0 /

Date 2/1/01

Inventor(s) FUKAYA et al.

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☒ PTO-1449 ☒ cited docs.

\$ 910.00 Fee (Check)

Other:



CURRENT DUE DATE: February 1, 2001

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attention: OFFICE OF PUBLICATIONS

In re PATENT APPLICATION of

Confirmation No. 8329

Inventor(s): FUKAYA et al.

Atty. Dkt. P 0276746

Appln. No.: 09

774,650

U3-0041-TS

Series Code ↑

Serial No.

M#

Client Ref

Filed: February 1, 2001

Title: GAS SENSOR

Date: May 11, 2001

**FILING OF FORMAL DRAWINGS**Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

- Please accept the herewith 10 sheet(s)
- of formal drawing(s) on ☒ A4 ☐ 11" size paper
- of Figure(s) 1-15
- of which Figure(s) 1-15 is/are **black and white photographic drawings** (DO NOT use this form for photographic drawings in color (see PAT-280).
- ☒ which is/are in lieu of the informal drawing(s) filed earlier.
- ☐ which include the corrections required/approved by the Draftsperson/Examiner
- In the Notice of Allowability (PTO-37) dated \_\_\_\_\_

**NOTE**

- PTO waived requirement for 3 sets of B/W photos June 9, 1998, 1211 OG 34;
- PTO waived requirement for petition and petition fee for B/W photos August 4, 1998, 1213 OG 108.
- Petition and fee are still required for photographs which are in color. See Rule 84(a)(2).

A,B,C were confirmed in 9/8/00 Rule 84 changes**EXTENSIONS NOT AVAILABLE Re NOTICES OF ALLOWABILITY ISSUED ON/AFTER 11/7/00**

		Large/Small Entity	Fe Code
8. Original due date:	<input checked="" type="checkbox"/> NONE		
9. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached	(1 mo)	\$110/\$55 =	115/215
	(2 mos)	\$390/\$195 =	116/216
	(3 mos)	\$890/\$445 =	117/217
10. TOTAL FEE ENCLOSED		\$0	

(Our Deposit Account No. 03-3975)

(Our Order No. 060388

0276746

C#

M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This **CHARGE STATEMENT** does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

**Pillsbury Winthrop LLP  
Intellectual Property Group**1100 New York Avenue, NW  
Ninth Floor  
Washington, DC 20005-3918By Atty: Kenneth M. FaginReg. No. 37,615

Tel: (202) 861-3000

Sig: [Signature]

Fax: (202) 822-0944

Atty/Sec: KMF/tel

Tel: (202) 861-3540

**NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments**

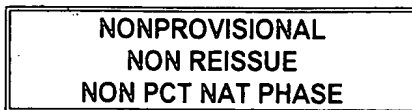
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
REQUEST FOR FILING NATIONAL PATENT APPLICATION

Under 35 USC 111(a) and Rule 53(b)

Hon. Commissioner of Patents  
Washington, D.C. 20231

WITH SIGNED DECLARATION

PATENT APPLICATION

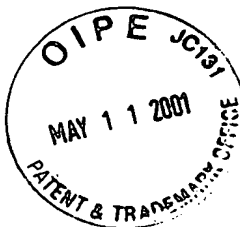


00909

Sir:

Herewith is the PATENT APPLICATION of  
Inventor(s): FUKAYA et al.

Title GAS SENSOR



COPY

Atty. Dkt.:

P 276746

U3-0041-TS

M#

Client Ref

including:

Date: February 1, 2001

1. Specification: 20 pages (only spec. and claims) 2. ☐ Specification in non-English language
3. Declaration ☒ Original ☐ Facsimile/Copy ☒ Abstract 1 page(s); 5 numbered claims
4. ☒ Drawings: 10 sheet(s) ☐ informal; ☒ formal of size: ☒ A4 ☐ 11"
5. ☐ See top first page re prior Provisional, National or International application(s). ("X" box only if info is there and do not complete corresponding item 5 or 6). (Prior M# \_\_\_\_\_ SN \_\_\_\_\_)
6. **AMEND the specification** please by inserting before the first line: -- This is a ☐ Continuation-in-Part  
☐ Divisional ☐ Continuation ☐ Substitute Application (MPEP 201.09) of:
- 6(a) ☐ National Appln. No. \_\_\_\_\_ / \_\_\_\_\_ filed \_\_\_\_\_ (M# \_\_\_\_\_)
- 6(b) ☐ International Appln. No. \_\_\_\_\_ filed \_\_\_\_\_  
which designated the U.S., and that International Application ☐ was ☐ was not published under PCT Article 21(2) in English.--
7. ☐ **AMEND the specification** by inserting before the first line: -- This application claims the benefit of U.S. Provisional Application No. 60/ \_\_\_\_\_, filed \_\_\_\_\_ --
8. ☒ Attached is an assignment and cover sheet. Please return the recorded assignment to the undersigned.
9. ☐ Prior application is assigned to \_\_\_\_\_

by Assignment recorded \_\_\_\_\_ Reel \_\_\_\_\_ Frame \_\_\_\_\_

10. **FOREIGN** priority is claimed under 35 USC 119(a)-(d)/365(b) based on filing in Japan (country)
11. \_\_\_\_\_

Application No.	Filing Date	Application No.	Filing Date
(1) 2000-23847	February 1, 2000	(2) 2000-397062	December 27, 2000
(3)		(4)	
(5)		(6)	
(7)		(8)	
(9)		<input type="checkbox"/> See 3 <sup>rd</sup> page for additional priorities	

12. \_\_\_\_\_ (No.) Certified copy (copies): ☐ attached; ☐ previously filed (date) \_\_\_\_\_  
in U.S. Application No. \_\_\_\_\_ / \_\_\_\_\_ filed on \_\_\_\_\_
13. Small entity status ☐ ☒ is **not** claimed; ☐ is claimed (Pre-filing confirmation required)
- 13(a). ☐ Attached: \_\_\_\_\_ (No.) Small Entity Statement(s) (since 9/8/00 small entity statement(s) not essential to make claim)

14. DOMESTIC/INTERNATIONAL priority is claimed under 35 USC 119(e)/120/365(c) based on the following provisional, nonprovisional and/or PCT international application(s):

Application No.	Filing Date	Application No.	Filing Date
(1)		(4)	
(2)		(5)	
(3)		(6)	

15. ☐ This application is being filed under Rule 53(b)(2) since an inventor is named in the enclosed Declaration who was not named in the prior application.

16. ☒ Attached: Form PTO-1449 and copies of references cited

17. ☐ Preliminary Amendment:

**THE FOLLOWING FILING FEE IS BASED ON CLAIMS AS FILED LESS ANY ABOVE CANCELLED**

				Large/Small Entity		Fee Code
18. Basic Filing Fee				\$710/\$355	\$710	101/201
19. Total Effective Claims	5	minus 20 =	*0	x \$18/\$9 =	+ 0	103/203
20. Independent Claims	5	minus 3 =	*2	x \$80/\$40 =	+ 160	102/202
*If answer is zero or less, enter "0"						
21. If any proper multiple dependent claim (ignore improper) is present, add (Leave this line blank if this is a reissue application)				+ \$270/\$135	+ 0	104/204
22.	<b>TOTAL FILING FEE ENCLOSED =</b>				<b>\$870</b>	
23. If "non-English" box 2 is X'd, add Rule 17(k) processing fee				+ \$130	+ 0	139
24. If "assignment" box 8 is X'd, add recording fee				+ \$40	+ 40	581
25. <input type="checkbox"/> Attached is a Petition/Fee under Rule No.				+ \$130	+ 0	122
26.	<b>TOTAL FEE ENCLOSED =</b>				<b>\$910</b>	

Our Deposit Account No. 03-3975

Our Order No. 60388

276746

C#

M#



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**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficient fee only) now or hereafter relative to this application and the resulting Official document under Rule 20, or credit any overpayment, to our Account/Order Nos. shown above for which purpose a duplicate copy of this sheet is attached.

This **CHARGE STATEMENT** does not authorize charge of the issue fee until/unless an issue fee transmittal form is filed.

**Pillsbury Winthrop LLP**  
**Intellectual Property Group**

By Atty: Glenn J. Perry

Reg. No. 28458

Sig: \_\_\_\_\_

Fax: (202) 822-0944

Atty/Sec: GJP/tnl

Tel: (202) 861-3070

NOTE: File in duplicate with 2 post card receipts (PAT-103) & attachments